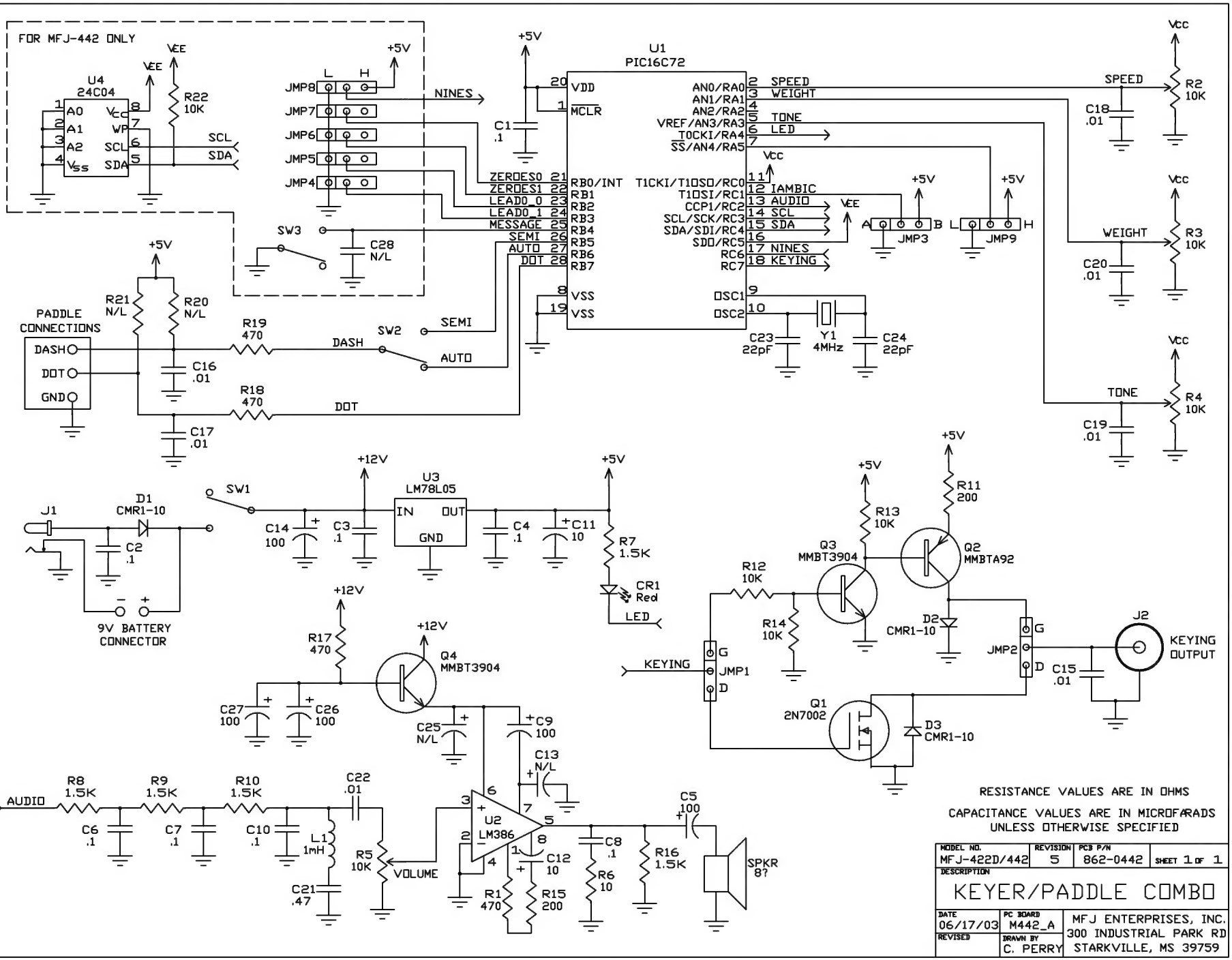
FOR MFJ-442 ONLY
U4
24C04
R22
10K
SCL
SDA
JMP8
JMP7
JMP6
JMP5
JMP4
NINES
U1
PIC16C72
C1
.1
SW3
C28
N/L
ZEROES0
ZEROES1
LEADO_0
LEADO_1
MESSAGE
SEMI
AUTO
DOT
RB0/INT
RB1
RB2
RB3
RB4
RB5
RB6
RB7
VDD
MCLR
VSS
VSS
AN0/RA0
AN1/RA1
AN2/RA2
VREF/AN3/RA3
T0CKI/RA4
SS/AN4/RA5
T1CKI/T1OSO/RC0
T1OSI/RC1
CCP1/RC2
SCL/SCK/RC3
SDA/SDI/RC4
SDO/RC5
RC6
RC7
OSC1
OSC2
SPEED
WEIGHT
TONE
LED
IAMBIC
AUDIO
SCL
SDA
NINES
KEYING
JMP3
JMP9
C23
22pF
Y1
4MHz
C24
22pF
R2
10K
C18
.01
R3
10K
C20
.01
R4
10K
C19
.01
PADDLE
CONNECTIONS
DASH
DOT
GND
R21
N/L
R20
N/L
R19
470
R18
470
C16
.01
C17
.01
SW2
SEMI
AUTO
DASH
DOT
J1
D1
CMR1-10
C2
.1
9V BATTERY
CONNECTOR
SW1
U3
LM78L05
IN
OUT
GND
C14
100
C3
.1
C4
.1
C11
10
R7
1.5K
CR1
Red
LED
R11
200
R13
10K
Q3
MMBT3904
Q2
MMBTA92
R12
10K
R14
10K
D2
CMR1-10
JMP2
J2
KEYING
OUTPUT
C15
.01
JMP1
Q1
2N7002
D3
CMR1-10
R17
470
Q4
MMBT3904
C27
100
C26
100
C25
N/L
C9
100
C13
N/L
AUDIO
R8
1.5K
R9
1.5K
R10
1.5K
C22
.01
C6
.1
C7
.1
C10
.1
L1
1mH
C21
.47
R5
10K
VOLUME
U2
LM386
C12
10
R1
470
R15
200
C8
.1
R6
10
R16
1.5K
C5
100
SPKR
8?
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
UNLESS OTHERWISE SPECIFIED
MODEL NO.
MFJ-422D/442
REVISION
5
PCB P/N
862-0442
SHEET 1 OF 1
DESCRIPTION
KEYER/PADDLE COMBO
DATE
06/17/03
PC BOARD
M442_A
REVISED
DRAWN BY
C. PERRY
MFJ ENTERPRISES, INC.
300 INDUSTRIAL PARK RD
STARKVILLE, MS 39759